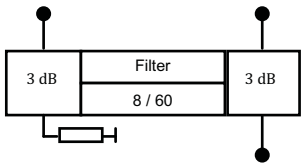
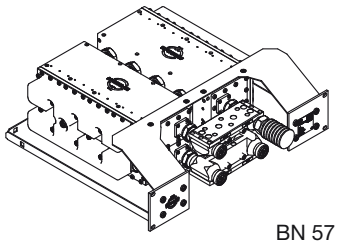
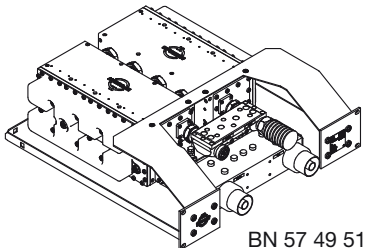
UHF CIB COMBINERS

- compact design as 19" slide-in unit
- for 6, 7 and 8 MHz channel bandwidth
- integrated mask filters for DTV
- adjacent channel operation
- temperature compensated
- tuneable within the whole UHF range

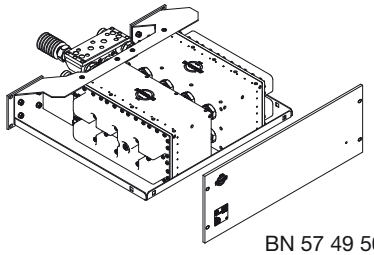




BN 57 49 50



BN 57 49 51



BN 57 49 50 C0002

Part number Front plate design	**BN 57 49 50** without front plate **BN 57 49 50 C0002** with front plate and rear side ports	**BN 57 49 51** without front plate **BN 57 49 51 C0002** with front plate and rear side ports
Frequency range	470 - 860 MHz	
Channel spacing	≥ 0	
Narrow band input	7-16 female	
Filter type integrated cavities/size	**8/60 ≡ BN 616568**	
Temperature stability	≤ 2 kHz / K	
Harmonics attenuation	≥ 50 dB for f ≤ 1200 MHz	
DTV Mask filtering	DVB-T @ 8 MHz ($\hat{U}/U_{rms}$=13 dB)	ISDB-T @ 6 MHz ($\hat{U}/U_{rms}$=13 dB)
Average input power	**≤ 750 W**	**≤ 600 W**
Tuning instruction	AS8087	AS8095
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 860 MHz f_0 ≤ 0.75 dB ≤ 1.00 dB $f_0 \pm 3.805$ ≤ 2.35 dB ≤ 3.15 dB $f_0 \pm 3.885$ ≤ 3.05 dB ≤ 3.85 dB $f_0 \pm 4.2$ ≥ 15 dB $f_0 \pm 6$ ≥ 40 dB $f_0 \pm 12$ ≥ 55 dB	470 MHz 803 MHz f_0 ≤ 0.85 dB ≤ 1.15 dB $f_0 \pm 2.79$ ≤ 2.25 dB ≤ 3.10 dB $f_0 \pm 3.15$ ≥ 15 dB $f_0 \pm 4.5$ ≥ 30 dB $f_0 \pm 9$ ≥ 55 dB
Group delay variation	Δτ ≤ 660 ns	Δτ ≤ 500 ns
Wide band input	7-16 female	1 5/8" SMS unflanged
Average input power	≤ 1 kW	≤ 4 kW
DTV Mask filtering	Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input no	
Insertion loss	≤ 0.1 dB (non adjacent)	
Output	7-16 female	1 5/8" SMS unflanged
Peak output voltage	≤ 1.6 kV	≤ 6 kV
Isolation between inputs	≥ 35 dB	
VSWR (one WB channel)	≤ 1.06	
Dimensions (L x W x H) mm	482 x 483 x 177 (4RU)	510 x 483 x 177 (4RU)
Weight	≈ 20 kg	≈ 22 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“	

	ATSC @ 6 MHz ($\hat{U}/U_{rms}$=11 dB)
Average input power	**≤ 600 W**
Tuning instruction	AS8084
Insertion loss & Mask filtering	470 MHz 803 MHz f_0 ≤ 1.10 dB ≤ 1.30 dB $f_0 \pm 2.69$ ≤ 2.35 dB ≤ 2.85 dB $f_0 \pm 3.0$ ≥ 4 dB $f_0 \pm 3.25$ ≥ 18 dB $f_0 \pm 9$ ≥ 64 dB
Group delay variation	Δτ ≤ 420 ns